

## ABSTRACT

One embodiment of the invention is a multi layer GI POF where each layer comprises essentially one polymer and one or more dopants. Each layer may comprise the same or different polymers although it is preferred that each layer comprise the same homopolymer. Useful dopants include cyclic or acyclic organic compounds of less than about 20 carbons, alkyl metal oxides or rare earth alkyl oxides. Another embodiment of the invention is a method of making the GI POF according to the invention.